Ministry of
Northern Development
and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

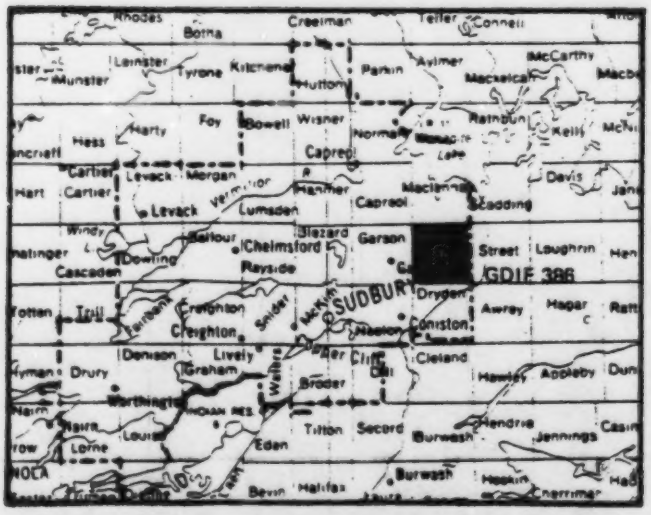
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 386

FALCONBRIDGE TOWNSHIP

DISTRICT OF SUDBURY

Compiled by the Staff of
the Resident Geologist's Office
Sudbury



LOCATION MAP Scale: 1:1 013 760 or 1 inch to 16 miles

NTS Number 41 I/10

Mining Claim Map Number M-799

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey

1987: Falconbridge Township, District of Sudbury; Ontario Geological Survey, Geological Data Inventory Folio 386, compiled by the staff of the Resident Geologist's Office, Sudbury, 34p., 2 maps.

Original Compilation by: Jerome, Lucille, March, 1987

Date	Page Revised	Revised by		Date	Page Revised	Revised by

FALCONBRIDGE TOWNSHIP

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ACCOMPANYING MAPS

Property Location Map 1

Exploration Data Map 1

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	1.609 344	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	0.092 903 04	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	31.103 476 8	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	0.453 592 37	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	907.184 74	kg
1 t	1.102 311	tons (short)	1 ton (short)	0.907 184 74	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	1016.046 908 8	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	1.016 046 908 8	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	L.J.
2	Assessment Files Research Office, Toronto	N.A.	L.J.
3	ODM General Index; 9 Volumes	Yes	L.J.
4	Catalogue of Airborne Geophysical Surveys (ODM)	Yes	L.J.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	L.J.
6	ODM Industrial Mineral Reports	No	L.J.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	L.J.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	Yes	L.J.
9	Newspaper Clippings File	Yes	L.J.
10	GSC Index to Publications	Yes	L.J.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	L.J.
12	OGS Index Maps	Yes	L.J.
13	Source Mineral Deposit Records (O.G.S.)	Yes	L.J.
14	Author - Subject Articles File	Yes	L.J.
15	Miscellaneous Papers: ODM & OGS	Yes	L.J.
16	ODM Geological Circulars: OGS Study Series	Yes	L.J.
17	ODM Preliminary Reports: ODM Bulletins	No	L.J.
18	ODM – OGS Open File Reports	No	L.J.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	L.J.
20	OGS Aggregate Resources Inventory Papers	No	L.J.
21	OGS Mineral Potential Maps	Yes	L.J.
22	Theses on File, Sudbury	Yes	L.J.
23	Aerial Photographs on File, Sudbury	Yes	L.J.

METALS AND MINERALS REFERENCES LIST

△ anh	Anhydrite	△ fu	Fuchsite
△ ank	Ankerite	△ gn	Galena
△ anna	Annabergite	△ gt	Garnet
△ ap	Apatite	△ goe	Goethite
△ arg	Argentite	▲ Au	Gold
△ As	Arsenic	△ gf	Graphite
△ asp	Arsenopyrite	△ gl	Gravel
△ asb	Asbestos	△ gyp	Gypsum
△ ba	Barite	△ hem	Hematite
△ be	Beryl	△ il	Ilmenite
△ Bi	Bismuth	△ Fe	Iron
△ bn	Bornite	△ IF	Iron Formation
△ bran	Brannerite	△ jas	Jasper
△ bruc	Brucite	△ kaol	Kaolinite (kaolin)
△ Cd	Cadmium	△ ky	Kyanite
△ calc	Calcite	△ Pb	Lead
△ carb	Carbonate	△ lim	Limonite
△ cel	Celestite	△ Li	Lithium
△ cc	Chalcocite	△ mgst	Magnesite
▲ cp	Chalcopyrite	△ mag	Magnetite
△ ch	Chert	△ mc	Malachite
△ clay	Clay	△ Mn	Manganese
△ Co	Cobalt	△ mb	Marble
△ cob	Cobaltite	▲ mar	Marcasite
△ cb	Columbite	△ ma	Marl
▲ Cu	Copper	△ mi	Mica
△ cor	Corundum	△ ml	Millerite
△ dol	Dolomite	△ mo	Molybdenite
△ ep	Epidote	△ Mo	Molybdenum
△ ery	Erythrite	△ mon	Monazite
△ fel	Feldspar	△ ne	Nephelite (nepheline)
△ fl	Fluorite (flurospar)	△ nc	Niccolite

▲ Ni	Nickel	△ st	Stone
△ Nb	Niobium	△ talc	Talc
△ Pd	Palladium	△ Te	Tellurium
△ peat	Peat	△ td	Tetrahedrite
△ pent	Pentlandite	△ th	Thorite
△ Pt	Platinum	△ Th	Thorium
▲ py	Pyrite	△ thuc	Thucholite
△ pyl	Pyrochlore	△ ti	Titanite
△ pyrl	Pyrolusite	△ Ti	Titanium
▲ po	Pyrrhotite	△ tour	Tourmaline
△ q	Quartz	△ trap	Trap rock
△ qcv	Quartz carbonate vein	△ W	Tungsten
△ ra	Radioactive minerals	△ uran	Uraninite
△ RE	Rare Earths	△ U	Uranium
△ sd	Sand	△ verm	Vermiculite
△ sgl	Sand and gravel	△ Y	Yttrium
△ ss	Sandstone	△ Zn	Zinc
△ scap	Scapolite	△ zr	Zircon
△ shee	Scheelite		
△ serp	Serpentine		
△ sh	Shale		
△ sid	Siderite		
△ si	Silica		
△ Ag	Silver		
△ sl	Slate		
△ sm	Smaltite		
△ sod	Sodalite		
△ spec	Specularite		
△ sp	Sphalerite		
△ spd	Spodumene		
△ staur	Staurolite		
△ stib	Stibnite		

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Beath, A. H.	Cu, Ni, Au	Cu 2	---	Sudbury Mineral Occurrence File
B	Copper Prince Mines Ltd. and Ruff Jack Copper Nickel Prospecting Syndicate Ltd.	po, cp, py, mar	Cu 1	MRC 12, p. 275	AR Vol. 66, pt. 6, p. 22
C	Cryderman Claims	Cu, Ni	Ni 5	---	Royal Ontario Nickel Commission (1917) p. 46
D	Cryderman Property	cp, po	Ni 2	---	AR Vol. 66, pt. 6, pp. 32-33
E	East Mine	Cu, Ni	Ni 22	MRC 2, p. 89 MRC 12, pp. 266-267	Royal Ontario Nickel Commission (1917) pp. 185-187
F	Falcon Gold Mine	py, Au	Au 2	MDC 18, p. 62	AR Vol. 66, pt. 6 p. 21
G	Falconbridge Mine	Cu, Ni	Ni 1	MRC 2, p. 89 MRC 12, pp. 266-267	AR Vol. 66, pt. 6, p. 22 Royal Ontario Nickel Commission (1917) pp. 185-187
H	Falconbridge Township Occurrence	Cu	--	---	OGS Map 2361
I	Hodden Grey Mining and Explorations Ltd.	py, cp	Cu 12	---	Sudbury Mineral Occurrence File
J	Norduna Mine	Ni, Cu	Ni 4	MRC 2, p. 88	Royal Ontario Nickel Commission (1917) p. 43 AR Vol. 66, pt. 6, p. 20

GDH FORM NO. 1

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	SHAFT WORK	PRODUCTION	OTHER
1	Asher Gold Mines Ltd.							57												
2	Beath, A. H.			28			28											28[1]		
3	Bjelajac, S.			70																
4	Canadian Nickel Co. Ltd.								81[2]	81[3]	81[2]									
5	Copper Prince Mines Ltd.	73 76			51 52 53 56	76		72 73 76				52 73				52				
6	Cryderman Property (Inco Ltd., British America Nickel Corp., Dominion Nickel Copper Co., Moodie, J., Ritchie, C. and Leyden, H.)			00	13[4] 16[4] 55[4] 61[4] 61-[5] 62		61-[6] 62											00[4]		
7	D'aoust, R.				50															
8	Delosha Porcupine Mines Ltd., Sudbury Mining and Exploration Syndicate, Allen, R. A.				37[4]															18[7] 28[7]
9	Falcon Gold Mine (Beckley or McConnell Property)(Falcon Gold Mines, South Tiblemont Mines Ltd., Brooke, L. and Hichcock, C. H., Contact	23 37		00	34 35 37[4]	36	01 36	23										01[8] 36[11]		34[9] 34[10] 35[9]

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	SHAFT WORK	PRODUCTION	OTHER
9	Bay Mining Co. Ltd., Beckley, W. R., McConnell, R.)																			
10	Falconbridge Mine and East Mine (Falconbridge Nickel Mines Ltd., Longyear, E. J. Company, Edison, T. A.)				16[4] 17 28[4]		16- 17 28- 87					1899[4]						00[4] 16-[4] 17 28[12] 34[16] 51[17]	28-[13] 84 54-[18] 87	30[14] 33[15]
11	Falconbridge Nickel Mines Ltd.	50 51			48 49 51- 55 63 66- 68			61	52			50[2] 51[2]	47[3] 50[3]							58[19]
12	Falgar Mining Corp. Ltd., Ruff, J. and N.	52		52	54			52				53[4]								
13	Foisey, A.				52															
14	Gatchell, J. J.				61															
15	Hodden Grey Mining and Explorations Ltd., Donway Exploration Ltd., Kingsland, L. R.	71 72			70			72 74				70[2]	70							

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	SHAFT WORK	PRODUCTION	OTHER
16	Hugh-Pam Porcupine Mines Ltd.				69															
17	International Nickel Company of Canada Ltd.	48			49 50 55 73 74							48								
18	Jerome, E., Charron, R. and Graham, R. J.								84	84										
19	Kerr Addison Gold Mines Ltd.	59		59		59						59								
20	Larson, R.				56-63															
21	Mackenzie Hill Mines Ltd.	65						65				65	66							
22	Nickel Valley Copper Mines Ltd., Stratmat Ltd.	56							56	56		56-57	57							
23	Norduna Mine (Falconbridge Nickel Mines Ltd., Norduna Mines Ltd., Emtwo Mines Ltd., Mining Corporation of Canada, Emery Lumber Co., Patterson, J. and Donally, R.)	54[4]			54-55 57-62	55	57-62					54[4]	54[4]					57[20]-62	58-62	
24	Pershland Gold Mines Ltd.	69						69				69	69							
25	Plese, M.			70																

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	SHAFT WORK	PRODUCTION	OTHER
26	Prosco Mines Ltd.							57												
27	Robinson, F., Fairmount Mining and Explorations Ltd., Tradewinds Exploration Ltd.				71							70	70							
28	Ruff Jack Copper and Nickel Prospecting Syndicate			42	49															
29	Stockton, L.				02															
30	Sunbeam Exploration Co. Ltd.	56			56 57			57				56	56							
31	Sutherland, W. D. and Associates				66															
32	Thorpe Bay Explorations Ltd.	69 70			70			69					70							
33	Tribridge Consolidated Gold Mines Ltd.							73												
34	Walsh, E.				67 71															

[1] Shaft 28' deep

[2] No significant anomaly

TYPE OF WORK

Numbers below represent the year in which the work was done; e.g., 68 for 1968.

EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	SHAFT WORK	PRODUCTION	OTHER
COMPANY/AUTHOR (file number)																			
[3]No significant conductor																			
[4]No data																			
[5]Underground drilling. No data																			
[6]Drift from East Mine extended to Property																			
[7]Type of work unknown																			
[8]Shaft 46' deep																			
[9]Mine dewatered																			
[10]Sampling																			
[11]Shaft deepened to 215'																			
[12]No. 1 Shaft Sank																			
[13]Production Falconbridge Mine																			
[14]Smelter																			
[15]Concentrator and sintering plant																			

TYPE OF WORK	Numbers below represent the year in which the work was done;e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	SHAFT WORK	PRODUCTION	OTHER
[16] No. 5 Shaft Sank																			
[17] No. 8 Shaft Sank - East Mine																			
[18] Production - East Mine																			
[19] Longitudinal Section of Falconbridge Mine Workings																			
[20] Shaft 859' deep																			

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
1	Copper Prince Mines Ltd.	1	1956	360	45	0	701	py	Cu, Ni
2		?	1956	10 holes total length 8051'					
2		?	1953	6 holes total length 2500'					
2		?	1951-52	16 holes total length 6000'					
3		1A	1951	265	45	3	333	cp, po, py	
4		3	1951	150	45	0	282	py	
5		4	1951	070	45	4	419	cp, po, py	
6		5	1951	060	45	5	765	cp, po, py	
7		6	1951	215	35	4	275	cp, po	
8	D'aoust, R.	1	1950		90	0	772		
8		2	1950	?	55	0	74		
9	Falcon Gold Mine (South	?	1935	total length drilled 3000'					
9	Tiblemont Mines Ltd., Brooke, L. and Hichcock, C. H.)	?	1934	5 holes drilled					
10	Falconbridge Nickel Mines Ltd.	F268	1968	210	55	6	500	py	
10		F269	1968	210	55	10	499	py	
10		F270	1968	210	55	14	487		
10		F271	1968	210	55	6	495	py	
11		F244	1967	090	55	4	401	py, po	Cu, Fe, Au, si
11		F245	1967	175	55	4	399	py	Cu,Fe,Au,si
11		F246	1967	200	55	4	251		Cu,Fe,Au,si
12		F247	1967	090	55	4	401	py, po	Cu,Fe,Au,si
13		F-XC-1	1966		90	30	240	py	
14		F110	1966		90	26	32	py	Cu,Fe,Au,si
14		F111	1966		90	30	39	py	Cu,Fe,Au,si
14		F121	1966		90	21	29	py	Cu,Fe,Au,si
14		F123	1966		90	36	44	py	Cu,Fe,Au,si
14		F124	1966		90	25	31	py	Cu,Fe,Au,si
14		F125	1966		90	17	25	py	Cu,Fe,Au,si
14		F127	1966		90	21	28		Cu,Fe,Au,si
14		F129	1966		90	31	40		Cu,Fe,Au,si

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
14	Falconbridge (cont'd)	F130	1966		90	26	34		Cu,Fe,Au,si
14		F131	1966		90	47	55		Cu,Fe,Au,si
14		F155	1966		90	30	30		
15		F156	1966		90	30	30		
15		F157	1966		90	30	30		
15		F158	1966		90	30	30		
15		F159	1966		90	30	30		
15		F160	1966		90	30	30		
15		F164	1966		90	30	30		Cu,Fe,Au,si
15		F166	1966		90	20	25		
15		F167	1966		90	30	30		
15		F169	1966		90	30	30		
15		F170	1966		90	30	30		
15		F171	1966		90	30	30		
15		F172	1966		90	30	30		
15		F173	1966		90	30	30		
15		F174	1966		90	30	30		
15		F175	1966		90	30	30		
15		F177	1966		90	30	30		
15		F178	1966		90	30	30		
15		F179	1966		90	30	30		
15		F180	1966		90	30	30		
15		F181	1966		90	30	30		
15		F183	1966		90	30	30		
15		F184	1966		90	30	30		
15		F185	1966		90	30	30		
15		F186	1966		90	30	30		
15		F187	1966		90	30	30		
15		F188	1966		90	20	27		
15		F189	1966		90	30	30		
15		F190	1966		90	30	30		
15		F191	1966		90	30	30		
15		F192	1966		90	30	30		

GOH FORM NO. 1

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
14		F217	1966		90	31	31		
14		F218	1966		90	25	30	cp	
14		F220	1966		90	30	30		
16		F240	1966	090	70	0	347	py	
16		F241	1966	090	55	3	261	py	
16		F242	1966	090	60	0	301	py	
16		F243	1966	090	80	2	294	py	
17		F-XC-1	1963	.	90	0	120		
17		F-XC-2	1963	.	90	0	120		
17		F-XC-3	1963		90	0	110		
17		F-XC-4	1963		90	0	110		
17		F-XC-5	1963		90	0	113		
17		F-XC-6	1963		90	0	120		
17		F-XC-7	1963		90	0	110		
18		F-XC-1	1955	350	51	0	164	py, cp, mar	
18		F-XC-2	1955	350	55	0	112	py, cp, mar	
18		F-XC-3	1955	350	58	0	93		
18		F-XC-4	1955	195	48	0	174	py, cp	
18		F-XC-5	1955	195	53	0	97	py, cp	
19		F-XC-1	1954	340	42	0	195		
19		F-XC-2	1954	080	55	0	187	py	
20		F-XC-3	1954	340	55	0	240	py, mar	
21		F-XC-6	1954	170	48	0	243	hem, py, cp	
21		F-XC-7	1954	170	43	0	30	hem	
22		F-XC-8	1954	270	40	0	149		
23		F-XC-1	1953	120	40	0	160	cp	
24		F-XC-2	1953	180	38	0	360	cp, py	
25		F-XC-3	1953	325	43	0	400	py	
26		F-XC-4	1953	240	60	0	106	py	
27		F-XC-5	1953	050	40	0	111	py	
28		F-XC-1	1952	270	52	0	160		
26		F-XC-2	1952	190	53	0	360	py	
24		F-XC-3	1952	180	50	0	360	py, cp	

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
27	Falconbridge (cont'd)	F-XC-4	1952	120	60	0	360	py	
29		F-XC-5	1952	090	55	0	206	py	
29		F-XC-6	1952	090	55	0	200	py	
29		F-XC-7	1952	090	55	0	200		
29		F-XC-8	1952	090	55	0	190	py	
29		F-XC-9	1952	090	55	0	204		
30		F-XC-10	1952	290	54	0	302	py	
30		F-XC-11	1952	290	40	0	300		
30		F-XC-12	1952	290	45	0	295	py	
30		F-XC-13	1952	290	65	0	303		
20		F-XC-14	1952	360	75	0	320	py	
31		F-XC-3	1951	350	55	0	160	py	
29		F-XC-4	1951	010	55	0	75	py	
32		F-XC-1	1949	075	42	0	160	py	
26		F-XC-4	1949	205	55	0	360		
27		F-XC-5	1949	040	38	0	360		
26		F-XC-6	1949	020	35	4	500	py, hem	
26		F-XC-7	1949	195	45	6	400		
27		F-XC-8	1949		90	2	500	py	
27		F-XC-9	1949	040	45	4	400	py	
31		FG-XC-2	1949	035	60	11	360	py, po	
33		F-XC-2(2A)	1949	147	45	0	155	py, cp	
33		F-XC-3(2B)	1949	147	45	0	205	muscovite	
34		F-XC-1	1948	180	50	4	352	py	
34		F-XC-2	1948	180	65	3	336		
34		F-XC-3	1948	180	75	3	175	py	
34		F-XC-4	1948	180	58	5	203		
34		F-XC-5	1948		90	3	61		
35	Falgar Mining Corp. Ltd.	3-54	1954	180	45	8	251	py	
36		4-54	1954	180	45	1	251	py	
37	Foisey, A.	1	1952	090	55	0	60	mineralization	
37		2	1952	270	45	0	50		
37		3	1952	360	45	0	60		

GDII FORM NO. 1

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
38	Foisey, A. (cont'd)	4	1952	090	45	0	30		
39	Gatchell, J. J.	2	1961	160	60	0	260		
40	Hodden Grey Mining and	1	1970	032	?	26	304	py, cp, po	
41	Explorations Ltd., Donway	2	1970	032	45	21	307	py	
42	Explorations Ltd. and	1	1970	030	?	26	304	py	
43	Kingsland, L. R.	2	1970	030	?	14	300	py, cp	
44	Hugh-Pam Porcupine Mines	H.P.Fa.2	1969	033	45	6	152	sulphides	
45	Ltd.	H.P.Fa.3	1969	140	55	4	697	py, po	
46	International Nickel	52881	1974	317	70	14	607	po, py, cp	
47	Company of Canada Ltd.	52883	1974	317	50	14	301	po, cp	
48		52884	1974	317	50	15	255	po, py, cp	
49		52885	1974	317	65	8	660	po, py	
50		52886	1974	317	72	15	963		
51		52887	1974	317	78	14	911		
52		52888	1974	317	70	5	698	hem	
53		52889	1974	317	81	4	1166	py	
54		52890	1974	317	70	15	675	py	
55		52891	1974	317	79	8	1320	hem, py, po	
56		52877	1973	317	45	9	241	cp, po	
57		52879	1973	317	68	7	704	py, po, cp	
58		52880	1973	317	70	9	655	po, cp, py	
59		?	1955	No log.	Location	shown.			
60		5982	1950		90	4	762		
61		7499	1950	020	65	0	401		
62		2085	1949	270	45	30	360	py	
63	Larson, R.	43	1963		90	0	562	Cu	
64		42	1962	?	45	0	321		
65		43	1962		90	0	114		
63		1	1961		90	0	103	sulphides	
63		2	1961		90	0	105	sulphides	
66		2	1961		90	0	416	py	
67		1B	1960		90	0	103		
68		2B	1960	?	45	0	211		

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
69	Larson, R. (cont'd)	?	1959		90	0	111	py	
70		?	1959	?	65	0	162		
71		31	1959		90	0	106		
72		24	1958		90	0	51		
73		12	1957		90	0	130		
74		13	1957		90	0	85		
75		16	?	?	60	0	278		
76		1	1956		90	0	162		
77		2	1956	?	81	0	93	sulphides	
78		3	1956	?	81	0	64	sulphides	
79		4	1956		90	0	217	sulphides	
80		5	1956	?	84	0	123	py	
81		6	1956		90	0	78		
82		7	1956		90	0	50	sulphides	
82		8	1956		90	0	40	sulphides	
83	Norduna Mine (Norduna Mines	?	1957-62	5 holes, total length 866'					
	Ltd., Mining Corporation	?		280 holes total length 15,236' drilled underground					
83	of Canada)	?	1954-55	total length 16,476'					
84	Robinson, F., Fairmount	F1	1971	005	45	12	254	py	
85	Mining and Explorations	F2	1971	007	45	7	256	py,po,cp,pent	
86	Ltd., Tradewinds Explora-	2	1971	030	45	30	250	py, po, cp	
87	tion Ltd.	T1	1971	017	45	17	251	py	
88	Ruff Jack Copper and Nickel	1	1949	020	55	17	288	py, cp, po	
	Prospecting Syndicate								
89	Stockton, L.	?	1902	5 holes total length 610'					
90	Sunbeam Exploration Co. Ltd.	2	1957	118	45	28	498	po, py, cp	Cu, Ni
91		1	1956	260	55	0	16		
91		2	1956	350	60	0	24	sulphides	
91		3	1956	345	45	0	49	sulphides	
91		4	1956	270	45	0	46	sulphides	
92		5	1956	260	45	0	49	po, cp	
92		6	1956	260	45	0	36	sulphides	
92		7	1956	260	45	0	24	sulphides	

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
93	Sutherland, W. D. and Associates	F-1	1966	045	45	16	202	py, cp, po	
94		F-2	1966	090	45	29	201	py, po,cp,mag	
95		F-3	1966	045	45	36	297	py, po, sp	
96		F-4	1966	090	45	80	257	py,po,cp,mag	Ag, Cu, Ni
97		F-5	1966	090	50	49	297	po, py, cp	
98		F-6	1966	270	45	10	201	po, py, cp	
98		F-7	1966	270	45	7	353	py, po, cp	
99		F-8	1966	090	45	13	498	po, py, cp	
100		F-9	1966	270	45	28	274	po,py,co,mo	
101		F-10	1966	270	45	5	203	po, cp	
102		F-11	1966	270	45	25	360	po, py, cp	
103	Thorpe Bay Explorations Ltd.	1	1970	360	45	30	256	py, bn, po	
104		2	1970	360	45	8	258	po,py,cp,pent	
105		3	1970	360	45	60	255	py, po	
106		4	1970	360	45	30	260	po,py,cp,pent	
107		5	1970	360	45	2	256	po, py	
108		6	1970	004	45	2	261	py, po	
109	Walsh, E.	1	1971	100	50	0	104	mineralization	
109		2	1971	280	65	0	108	mineralization	
110		1	1971	210	70	0	115		
110		2	1971	355	45	0	106	py	
111		1	1967	050	60	3	107		
112		1	1967	030	45	0	103	sulphides	

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
4	Canadian Nickel Company Ltd. Canadian Nickel Company Ltd.	Airborne Magnetic Airborne Electromagnetic Airborne Radiometric	120 m	E - W	200 m
11	Aeromagnetic Surveys Ltd. Falconbridge Nickel Mines Ltd.	Airborne Magnetic	?	NE - SW	660'
18	Aerodat Limited Jerome, E., Charron, R. and Graham, R. J.	Airborne Magnetic Airborne Electromagnetic	60 m	N31°E	100 m
22	Aeromagnetic Surveys Ltd. and McPhar Geophysics Ltd. Nickel Valley Copper Mines and Stratmat Ltd.	Airborne Magnetic Airborne Electromagnetic	500'	N - S	1000'

GDII FORM NO. 4

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

The office has a collection of newspaper clippings dating from 1968 to the present on the workings of Falconbridge Nickel Mines in Falconbridge Township.

Beath, A. H.

Sudbury Star	March 2, 1929
	November 10, 1928

Copper Prince Mines Ltd.

Northern Miner	February 28, 1980
	August 12, 1976
	January 11, 1973
	December 21, 1972

Cryderman Property

Northern Miner	November 28, 1980

Delosha Porcupine Mines

Sudbury Star	November 26, 1937
	November 15, 1937

Falcon Gold Mines Ltd.

Sudbury Star	October 26, 1936
	September 9, 1936

Falconbridge Mine

A collection of newspaper clippings dating from September 15, 1928 to October 15, 1937 is available at the Sudbury Office.

Longyear, E. J. Company

Sudbury Journal	February 11, 1928
	March 22, 1917

McConnell Gold Property (Falcon Gold Mine)

Sudbury Star	October 23, 1935
	October 18, 1935
	September 20, 1935
	March 6, 1935
	October 17, 1934
	September 22, 1934

Sudbury Exploration and Mining Syndicate

Sudbury Star	April 19, 1930

GDIF FORM NO. 7

ODM GENERAL INDEX SEARCH

Words searched

ASHER GOLD MINES LTD.
BEATH, A. H.
BECKLEY PROPERTY
BJELAJAC, S.
BRITISH AMERICA NICKEL CORP.
CANADIAN NICKEL CO. LTD.
CONTACT BAY MINING CO. LTD.
COPPER BAY MINING CO. LTD.
CRYDERMAN PROSPECT
D'AOUST, R.
DELOSHA PORCUPINE MINES LTD.
DOMINION NICKEL COPPER CO.

Index Volume	Listing	Report Volume	Part	Page
4	Asher Gold Mines Ltd.			
	Incorporated	55	1	46
5	Copper Prince Mines Ltd.			
	Incorporated	61	1	46
6	Copper Prince Mines Ltd.			
	Property, Falconbridge Tp.			
	report on	66	6	22
2	Cryderman Nickel Claims, Falconbridge Tp.			
	Historical notes	N.C.		R46
3	Delosha Porcupine Mines Ltd.			
	Incorporated	47	1	50
7	East Falconbridge Nickel Mine			
	Falconbridge Twp.			
	Operations (1960)	70		83, 84
	(1961)	71		89, 90
	(1962)	72		88, 89
	(1963)	73		87
8	East Mine, Falconbridge			
	Falconbridge Tp., Sudbury Dist.			
	mining property, report on	74		88-89
		75		88
		76		100
		77		89
		78		57-58
		79		63
		80		62
9	East Mine, Falconbridge			
	Falconbridge Tp., Sudbury Dist.	ASR7		101
1	Edison, Thomas A.			
	Explorations for, Sudbury nickel reg.	12		289
		14	1	10
		14	3	15, 144
6	Emtwo Mines Ltd.			
	Acquired by Norduna Mines	66	3	33
		67	2	115
	Incorporated	65	1	33

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched

DONWAY EXPLORATIONS LTD.
EAST MINE
EDISON, THOMAS A.
EMTWO MINES LTD.
FAIRMOUNT MINING & EXPLORATIONS LTD.
FALCON GOLD MINES LTD.
FALCON MINE
FALCONBRIDGE NICKEL MINES LTD.
FALCONBRIDGE TOWNSHIP
FALGAR MINING CORP. LTD.
FOISEY, A.
GATCHELL, J. J.

Index Volume	Listing:	Report Volume	Part	Page
7	Emtwo Mines Ltd.			
	Mining property, Falconbridge Twp.			
	report on (1957)	MRC2		88
7	Emtwo Nickel Mine, Falconbridge Twp.			
	Operations (by Norduna Mines)			
	(1960)	70		87, 100
	(1961)	71		84, 106
	(1962)	72		109, 110
3	Falcon Gold Mine, Falconbridge Tp.			
	Report, photo and plans	48	10	17-21
3	Falcon Gold Mines Limited			
	Capital; officers; operations:			
	(1935)	45	1	106
	(1936)	46	1	134
	Incorporated	45	1	52
9	Falcon Prospect			
	Falconbridge Tp., Sudbury Dist.			
	report on property	MDC18		62-63
9	Falconbridge			
	Falconbridge Tp, Sudbury Dist.	GR181		16-38
				74-76
9	Falconbridge East Mine			
	Falconbridge Tp., Sudbury Dist.	MP91		108
	report on property	MPBP4		82
8	Falconbridge Mine			
	Falconbridge Tp., Sudbury Dist.			
	mining property, report on	74		88,91,92
		75		88,90-91
		76		99-100,
				104-105
		77		89,92-93
		78		58, 61
		79		64, 67
		80		62-63,66
		GB4		86, 88
9		ASR 7		101
		MP87		36
		MP93		172,175-176

GDIF FORM NO. 6

ODM GENERAL INDEX SEARCH

Words searched

HARVEY, ALBERT
HODDEN GREY MINING & EXPLORATIONS LTD.
HUGH-PAM PORCUPINE MINES LTD.
INTERNATIONAL NICKEL COMPANY OF CANADA LTD.
KERR-ADDISON GOLD MINES LTD.
KINGSLAND, L. R.
LAFOREST, L.
LARSON, R.
LEYDEN, H.
LONGYEAR, E. J. COMPANY
MCCREA, CHARLES
MACKENZIE HILL MINES LTD.

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	Falconbridge Mine (cont'd)	MPBP4		82
2	Falconbridge Nickel Mine, Falconbridge Tp.			
	Minor refs.	N.C.		A10,12, 16,17, 120,130
6	Air photo	66	6	frontis
	Fire at	66	1	58
	Report, plans and sections	66	6	22-32
	Rescue station	66	1	63
		67	1	65
3	Falconbridge Nickel Mine, Falconbridge and Carson tps.			
	Description	43	2	39, 40
	Discovery	43	2	2, 5
	Ore reserves (1934)	43	2	11
	Wallrock alteration in	43	2	43
	Workings, plans and section See Sheet 43e with	43	2	
4	Fires at (1940)	50	1	182
	(1946)	56	1	70
	(1949)	59	1	61
	Rescue station	57	1	72
3	Falconbridge Nickel Mines Ltd.			
	Incorporated	38	1	54
5	Capital; officers; operations:			
	(1950)	60	2	85-88
	(1951)	61	2	87-90
	(1952)	62	2	93-97
	(1953)	63	2	115-119
	(1954)	64	2	107-110
	Dividends (to 1954)	64	1	40
	Fires at mines (1951)	61	2	62
	(1954)	64	1	81
	Historical notes	63	2	115, 116
7	Falconbridge Nickel Mines Ltd.			
	Capital; officers; operations:			
	(1960)	70		82-88
	(1961)	71		89-94
	(1962)	72		88-95
	(1963)	73		86-93
	Merger with Ventures Ltd.	72		88
	Norduna Mines controlled by	70		100

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched

MINING CORPORATION OF CANADA LTD.
MOODIE, JOHN
NICKEL VALLEY COPPER MINES LTD.
NORDUNA MINES LTD.
PERSHLAND GOLD MINES LTD.
PLESE, M.
PROSCO MINES LTD.
RIOUX, F.
ROBINSON, F.
RUFF JACK COPPER & NICKEL PROSPECTING SYNDICATE
SOUTH TIBLEMONT MINES LTD.

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1	Falconbridge Tp., Sud.			
	Boring in, for iron	12		51, 53
	Drift, photo	14	3	102
	Gabbro	14	3	75
	Nickel range	12		273,276
		14	3	61,115
	Swamps	14	3	7
	Terraces	14	3	106
2	Nickel	26		56
		N.C.		R10,43, 49,185, 203
	boring for	N.C.		R185-187
	records	N.C.		A144-157
	discoveries	N.C.		R43, 46 48
	ore bodies, assays	N.C.		A144-157
	described	N.C.		R187
3	Rocks	43	2	23-25
4	Bruce Series, report on	50	6	14-17
6	Geology, report on, with map, by Jas. E. Thomson	66	6	
8	Falconbridge Tp., Sudbury Dist.			
	Nickel/copper	74		88
		75		88
		76		99-100
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		78		57-58
	Geology (quaternary) of the Sudbury Basin area	GR181		
	Gersdorffite	MP70		172
	Gold	MDC18		62-63
	Sand & gravel	GR181		45-46, 74-80
5	Falgar Mining Corp. Ltd.			
	Incorporated	62	1	58
6	Name changed	65	1	38
2	Harvey, Albert			
	Nickel found by, Falconbridge Tp.	N.C.		R46
6	International Nickel Co. of Canada Ltd.			
	Property, Falconbridge Tp.			
	notes on	66	6	32

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched

STRATEGIC MATERIALS LTD.
STRATMAT LTD.
SUDBURY MINING AND EXPLORATION SYNDICATE
SUNBEAM EXPLORATION CO. LTD.
SUTHERLAND AND ASSOCIATES
THORPE BAY EXPLORATIONS LTD.
TRADEWINDS EXPLORATION LTD.
TRI-BRIDGE CONSOLIDATED LTD.
VENTURES LTD.
WALSH, E.
WEST, G. M.

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2	LaForest, Louis			
	Grantee, Cryderman nickel claims	N.C.		R46
2	Leyden, Harry Russell			
	Grantee, nickel claim, Falconbridge Tp.	N.C.		R48
2	Longyear Co., E. J.			
	Capital and date of license	26		59
	Nickel, boring for, Falconbridge and Garson tps.	N.C.		R48, 185-187
	found by	26		56
	well records	N.C.		A144-157
	Nickel claims			
	contact greenstone and norite, diagram	N.C.		R115, 116
	micropegmatite, dike-like form	N.C.		R121
5	Licensed	63	1	60
6	Drilling by, Falconbridge Tp.	66	6	22
6	Mining Corp. of Canada Ltd.			
	Drilling, Falconbridge Tp.	66	6	33
2	Moodie, John			
	Nickel claim, Falconbridge Tp.	N.C.		R48
6	Nickel Valley Copper Mines Ltd.			
	Incorporated	66	1	33
5	Norduna Mines Ltd.			
	Incorporated	63	1	59
6	Capital; officers; operations:			
	(1957)	67	2	123,124
	(1958)	68	2	90
	(1959)	69	2	91
	Property, Falconbridge Tp.			
	report on	66	6	33
	Work by on Emtwo claims	67	2	115
7	Capital; officers; operations:			
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	(1962)	72		109,110
6	Norite			
	Falconbridge Tp.	66	6	12-14
	altered	66	6	27

GDIF FORM NC. 8

ODM GENERAL INDEX SEARCH

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	greenstone contact	66	6	20-23,33
	ore assoc. with	66	6	23,27,31
	hybridization, notes and photo	66	6	13
2	Rioux, Frank			
	Cryderman nickel claim grant	N.C.		R46
3	South Tiblemont Gold Mines Ltd.			
	Incorporated	45	1	53
6	Sunbeam Exploration Co. Ltd.			
	Change of name	65	1	38

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SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Card, K. D.	1966-67	Sudbury Mining Area	O.D.M. Map 2170	1" = 1 mile
Card, K. D., Lumbers, S. B	1974-75	Sudbury Cobalt Geological Compilation (revised)	O.G.S. Map 2361	1" = 4 miles
Dressler, B. O.	1984	Sudbury Geological Compilation	O.G.S. Map 2491	1:50,000
	1987	Precambrian Geology of Falconbridge Township	O.G.S. Map P.3067	1" = ¼ mile
	1983	Sudbury Mining Area East Part	O.G.S. Map P.2603	1:50,000
Lumbers, S. B.	1973	River Valley Area	O.D.M. Map P.844	1" = 1 mile
Meyn, H. D.	1966	Capreol Sheet	O.G.S. Map P.367	1" = 2 miles
		GEOPHYSICAL MAPS		
Dept. of E.M.R.	1965	Aeromagnetic Map - Capreol Sheet	G.S.C. Map 1511G	1" = 1 mile
G.H.D. Consultants	?	Aeromagnetic Map - Sudbury Research Project	Map 2	1" = ½ mile
Gupta, V. K.	1981	Bouger Gravity and Generalized Geology Map, Sudbury-Onaping Lake	O.G.S. Map P.2482	1:100,000
O.D.M. - G.S.C.	1965	Aeromagnetic Map - Sudbury Sheet	7067G	1" = 4 miles
	1976	Uranium Reconnaissance Program Airborne Gamma Ray Spectrometer Survey Sudbury	P.1610	1:250,000

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
Burwasser, G. J.	1979	Quaternary Geology of the Sudbury Basin Area	O.G.S. Report 181 Map 2397	1:50,000
Dept. of E.M.R.	1975	Topographic Map - Capreol		1:50,000
Gartner, J. F.	1980	N.O.E.G.T.S. Data Base Map Capreol N.O.E.G.T. Study 95 Capreol	Map 5001	1:100,000
		MINERAL POTENTIAL MAPS		
Gordon, J. B.	1977	Gold Deposits of Ontario East Central Sheet	P.1228	1" = 16 miles
Innes, D. G. and Jost, M.	1977	Nickel Deposits of Ontario East Central Sheet	P.1062	1" = 16 miles
Springer, J.	1977	Ontario Mineral Potential, Northern Part of Sudbury Sheet and Part of North Bay Sheet	O.G.S. Map P.1512	1:250,000
		GEOCHEMICAL		
		None as of March 3, 1987		
		GEOLOGICAL REPORTS AND MAPS		
Adlington, R.	1981	Falconbridge Township, Sudbury Data Series	O.G.S. Map. P.2447	1" = ¼ mile
Barlow, A. E.	1904	Report on the Origin, Geological Relations and Composition of the Nickel and Copper Deposits of the Sudbury Mining District, Ontario	G.S.C. Ann. Rept.	
	1902	The Sudbury Mining District	G.S.C. Ann. Rept.	pp. 254-269

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Bell, R.	1891	Report on the Sudbury Mining District	G.S.C. Ann. Rept. Map 343	
Burrows, A. G. and Rickaby, H. C.	1934	Sudbury Nickel Field Restudied	O.D.M. AR Vol. 43, pt. 2 COLMAP 43E	1" = 60'
Burwasser, G. J.	1979	Quaternary Geology of the Sudbury Basin Area	O.G.S. Report 181 COLMAP 2397	1:50,000
Card, K. D., Innes, D. G., and Debicki, R. L.	1977	Stratigraphy, Sedimentology and Petrology of the Huronian Supergroup in the Sudbury-Espanola Area	O.G.S. Study 16	
Coleman, A. P.	1905	The Sudbury Nickel Region	O.B.M. AR Vol. 14, pt. 3 COLMAP 14D	2" = 3 miles
	1904	The Northern Nickel Range	O.B.M. AR Vol. 13, pt. 1 COLMAP 13A	pp. 192-215 1" = 2 miles
Collins, W. H.	1936	Sudbury Series	G.S.C. Bull. 47(2)	pp. 1675-1690
	1913	Geology of a Portion of Sudbury Map-Area, South of Wanapitei Lake	G.S.C. Sum. Rept. Map 124A	pp. 189-195
Fairbairn, H. W.	1941	Bruce Series in Falconbridge and Dryden Townships	O.D.M. AR Vol. 50, pt. 6 COLMAP 50G	pp. 14-17 1" = 1000'
G.S.C.	1947	Falconbridge, Sudbury District	Map 872A	1" = 1 mile
Giblin, P. E., Pye, E. G., and Naldrett, A. J.	1984	The Geology and Ore Deposits of the Sudbury Structure	O.G.S. Special Volume 1 Map 2491 MAP NI. 16/17-AM 3 charts	 1:50,000 1:1,000,000

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Gordon, J. B. et al	1979	Gold Deposits of Ontario	MDC 18	p. 62
Hewitt, D. F.	1967	Pyrite Deposits of Ontario	MRC 5	p. 49
Shklanka, R., editor	1969	Copper, Nickel, Lead and Zinc Deposits of Ontario	MRC 12	pp. 232, 273
Thomson, J. E. et al	1957	Copper, Nickel, Lead and Zinc Deposits in Ontario	MRC 2	pp. 93, 103
Thomson, J. E.	1959	Geology of Falconbridge Township	O.D.M. Vol. 66, pt. 6 Map 1957-6 Map 1957-5	pp. 1-56 1" = 1 mile 1" = 1000'
Wright, J. F.	1958	Sudbury, Ontario	G.S.C. Map	1" = 8 miles
Young, G. A.	1904	On Surveys Between Rabbit and Timagami Lakes	G.S.C. Ann. Rept.	pp. 195-198
		JOURNALS, ARTICLES, THESES, TECHNICAL REPORTS		
Atwood, W., Jr.	1927	Physical Features of the Sudbury Basin; M. S., Clark University	MP2	
Beales, F. W. and Lozej, G. P.	1975	Sudbury Basin Sediments and the Meteoritic Impact Theory of Origin for the Sudbury Structure	C.J.E.S. Vol. 12	pp. 629-635
Bedell, F. G.	1906	The Sudbury Mining District; Ph. D., University of Kansas	MP2	
Bell, J. M.	1920	The Nickel-Copper Mines of Sudbury	Mining Mag. 23(2)	pp. 87-94
Bell, R.	1891	The Nickel and Copper Deposits of Sudbury District, Canada	G.S.A. Bull. Vol. 2	pp. 125-140

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Card, K. D. and Hutchinson, R. W.	1972	The Sudbury Structure: Its Regional Geological Setting	G.A.C. Special Paper 10	pp. 67-78
Clarke, A. M.	1946	Occurrence of Marcasite of Falconbridge Nickel Mine; B.Sc., Queen's University	MP2	
Clarke, W. J.	1940	Some Comparisons Between the Sudbury Basin and Bushveld Igneous Complex, M.A., University of Toronto	MP2	
Clauson, V.	1947	Geology of the Sudbury Basin Area, Ontario, Canada; Ph. D., University of Washington	MP2	
Coleman, A. P.	1924	Geology of the Sudbury Nickel Deposits	Econ. Geol. 19(5)	pp. 565-576
Dickson, C. W.	1903	Ore-Deposits of Sudbury, Ontario; Ph. D., Columbia University	MP2	
Duke, J. M. and Naldrett, A. J.	1976	Sulfide Mineralogy of the Main Irruptive, Sudbury, Ontario	Can. Mineralogist Vol. 14	pp. 450-461
Dupuis, L.	1972	Metallogenic Study of the Sudbury Mining Division	Sudbury Theses File	
Harris, D. C. and Nickel, E. H.	1972	Pentlandite Compositions and Associations in some Mineral Deposits	Can. Mineralogist Vol. 11	pp. 861-878
Haw, V. A.	1948	Further Studies of Nickel Ores of the Sudbury Basin; M.Sc., Queen's University	MP2	
Heale, T. R.	1946	Magnetic Pentlandite and the Relations of Pentlandite, Pyrrhotite and Chalcopyrite in Sudbury Nickel Ores; B.A., Queen's University	MP2	

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Author	Date	Title	Reference	Map Scales and/or Report Pages
Kindle, E. D.	1933	An Analysis of the Structural Features of the Sudbury Basin and their Bearings on Ore Deposition; Ph. D., University of Wisconsin	MP2	
Knight, C. W.	1923	The Chemical Composition of the Norite-Micropegmatite, Sudbury	Econ. Geol. Vol. 18	pp. 592-594
Lochhead, D. R.	1955	The Falconbridge Ore Deposit, Canada	Econ. Geol. Vol. 50	pp. 42-50
Michener, C. E.	1940	Minerals Associated with Large Sulphide Bodies of the Sudbury Type; Ph. D., University of Toronto	MP2	
Mohide, T. P., Warden, C.L., and Mason, J. D.	1977	Towards a Nickel Policy for the Province of Ontario	OMNR, DOM MPBP4	
Naldrett, A. J. et al	1982	Compositional Variation Within and Between Five Sudbury Ore Types	Econ. Geol. Vol. 77	pp. 1519-1534
Roberts, H. M.	1965	The Discovery of Falconbridge Mine	Mining Engineering	pp. 3-7
Royal Ontario Nickel Commission	1917	Report of the Royal Ontario Nickel Commission with Appendix		
Thomson, J. E.	1969	A Discussion of Sudbury Geology and Sulphide Deposits	MP30	
Thomson, R.	1935	A Study of the Nickel Intrusive, Sudbury, Ontario; Ph. D., University of Chicago	MP2	

NOTES AND ADDENDA

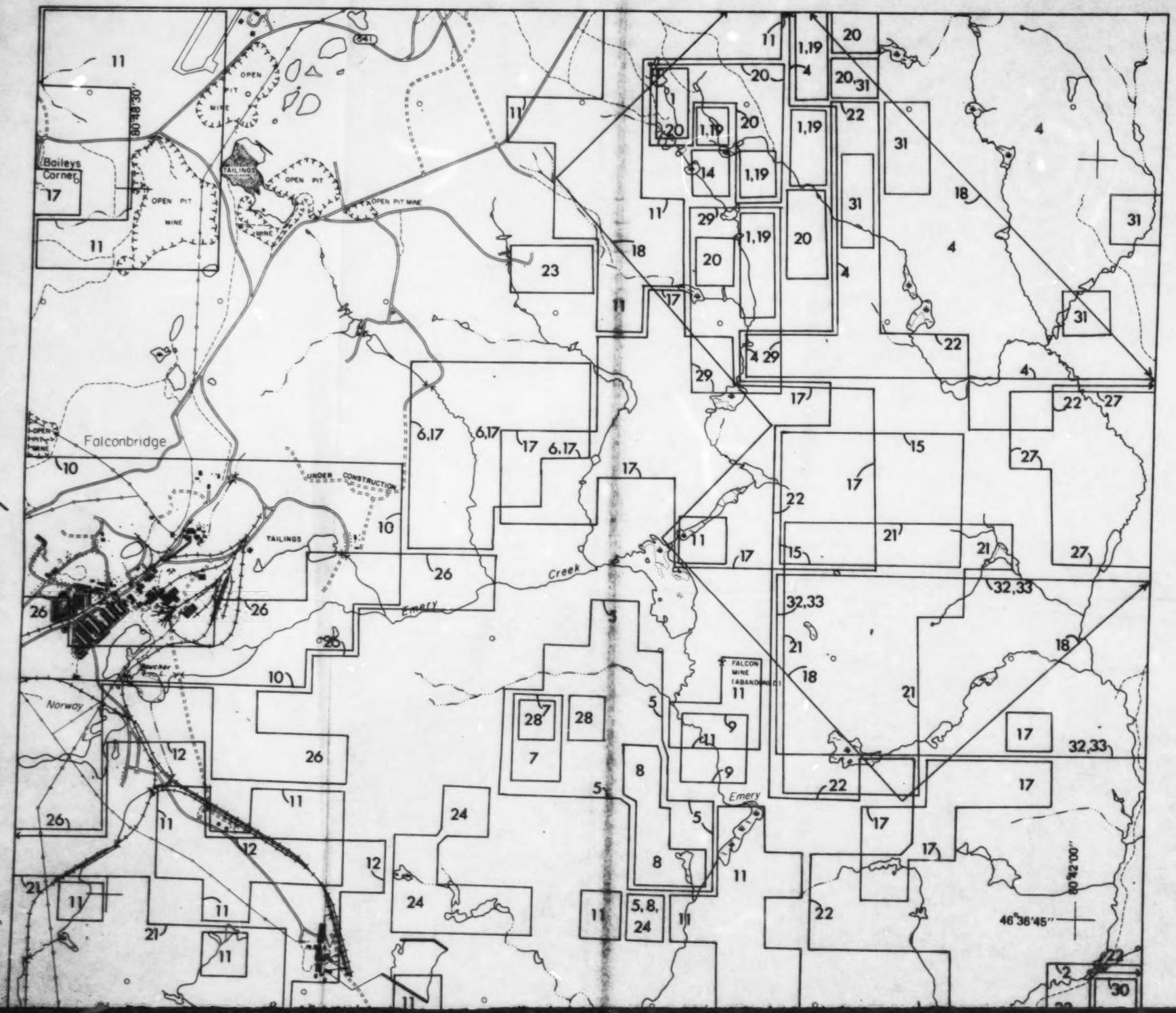
Aerial Photographs Index

Scale 1" = ¼ mile

Sudbury Files

Year	Roll	Line	Number
1977	24	4626	147, 149, 151
	24	4625	52, 54, 56, 58
	55	4624	173, 175, 177, 179
	55	4623	29, 31, 33
1970	27	4625	85-87
	27	4624	158-160
	46	4623	170-176
1946	29	150	39-45
	27	152	76, 28-34
	201	153	66A-71A

GDTF FORM NO.10



Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 386

(Map 1 of 2)

FALCONBRIDGE TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 308

(Map 1 of 2)

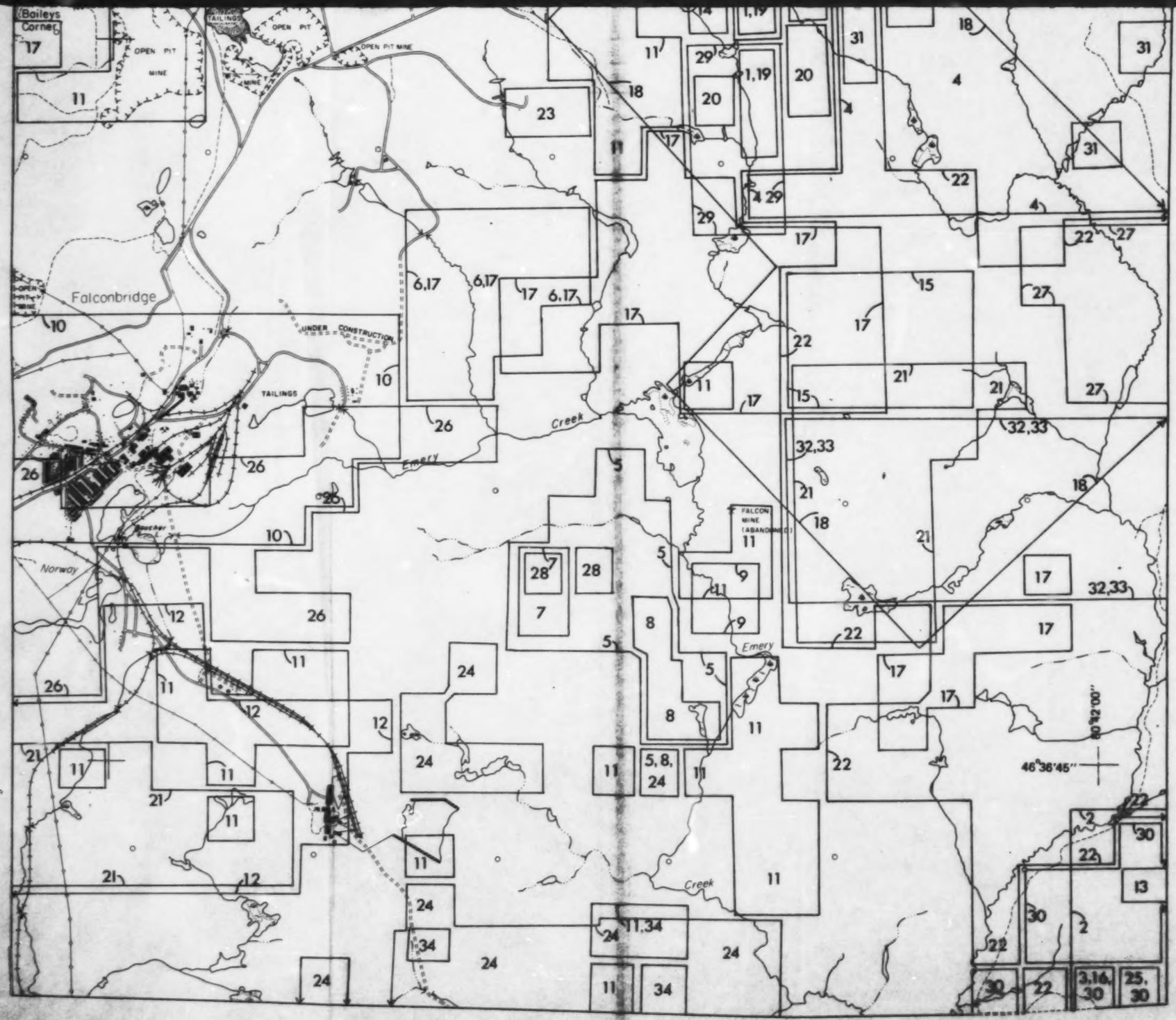
FALCONBRIDGE TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile



EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area exploration.

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

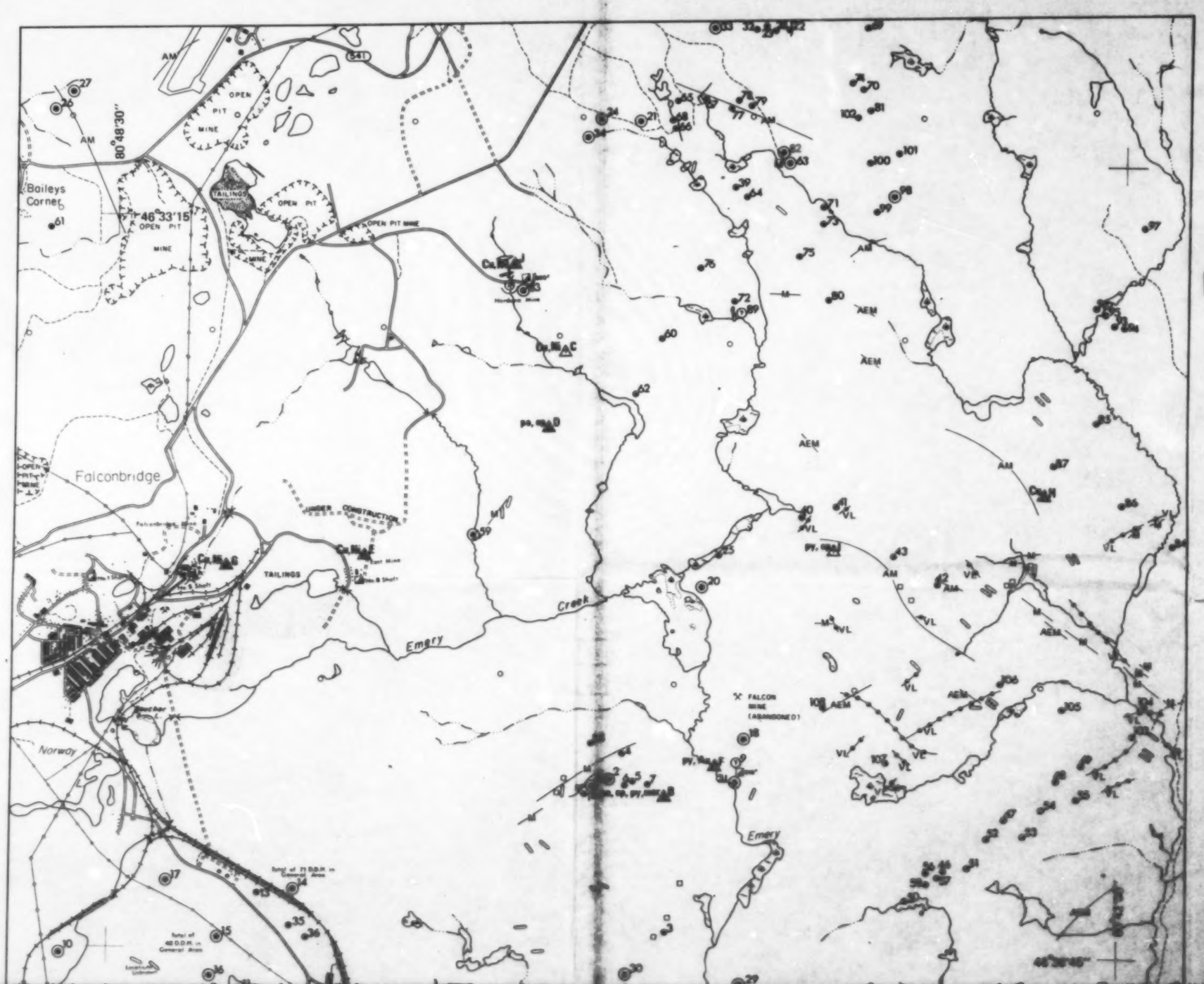
- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

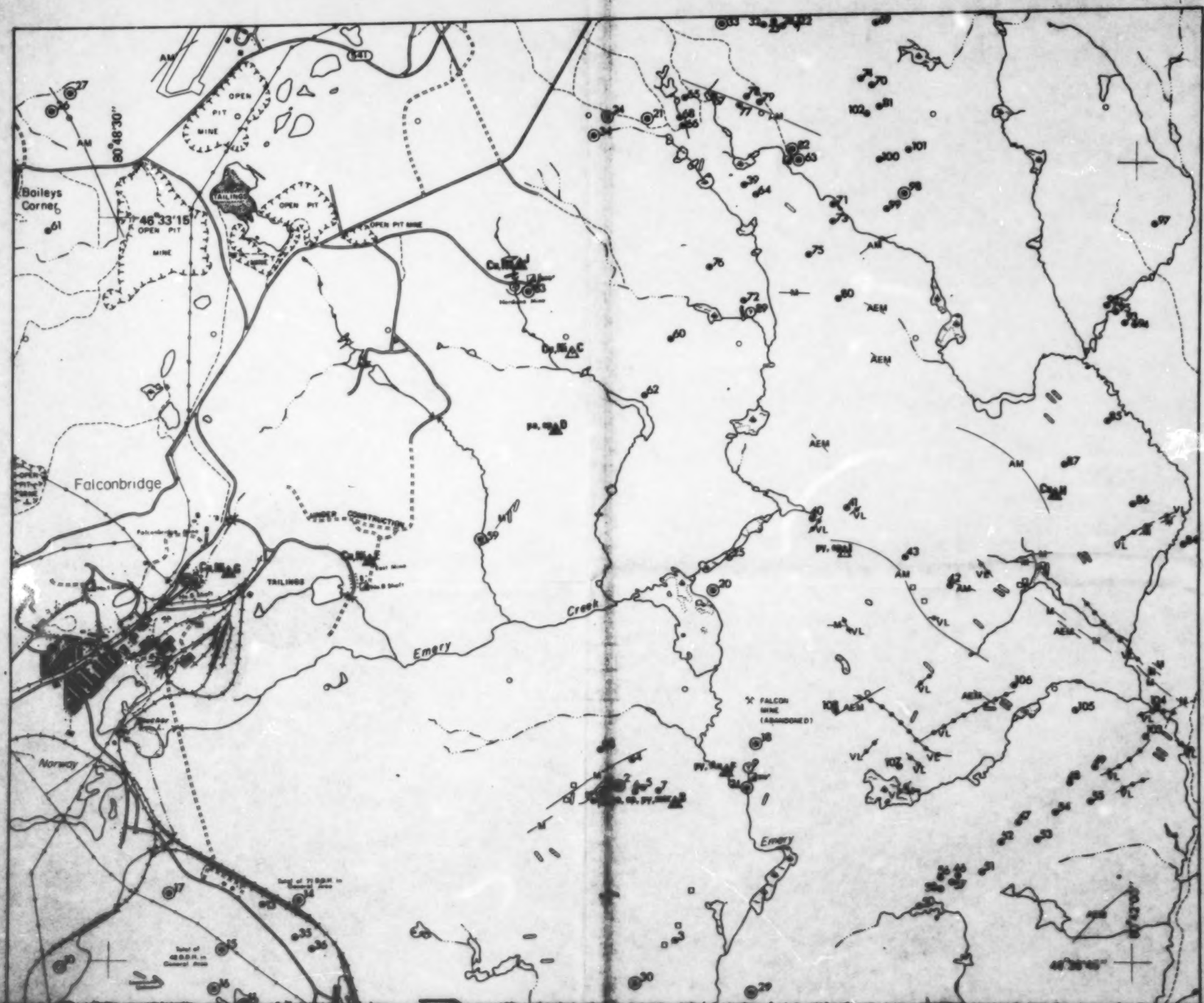
GEOPHYSICAL ANOMALIES

- AM — Airborne magnetic anomaly
- Airborne electromagnetic anomaly Length of anomaly along flight line
- Airborne electromagnetic anomaly Location of anomaly along flight line
- Airborne electromagnetic anomaly Conductor axis: definite, probable, possible
- ARA — Airborne radiometric anomaly
- M — Ground magnetic anomaly
- VL — Ground electromagnetic anomaly (VL - Vertical loop; HL - Horizontal loop; VLF - Very low freq; Turam; JEM - Crone Em - 16)
- RA — Ground radiometric anomaly
- IP — Induced polarization anomaly
- SP — Self potential anomaly
- AFMAG — Audio-frequency magnetic anomaly (total intensity)
- R — Resistivity anomaly
- GR — Gravity anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Rock quarry





Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 386

(Map 2 of 2)

FALCONBRIDGE TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized float with reference letter

DRILLHOLE

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number

Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- AM — Airborne magnetic anomaly
- Airborne electromagnetic anomaly Length of anomaly along flight line
- Airborne electromagnetic anomaly Location of anomaly along flight line
- Airborne electromagnetic anomaly Conductor axis: definite, probable, possible
- ARA — Airborne radiometric anomaly
- M — Ground magnetic anomaly
- VL — Ground electromagnetic anomaly (VL - Vertical loop; HL - Horizontal loop; VLF - Very low freq; Turam; JEM - Crone Em - 16)
- RA — Ground radiometric anomaly
- IP — Induced polarization anomaly
- SP — Self potential anomaly
- AFMAG — Audio-frequency magnetic anomaly (total intensity)
- R — Resistivity anomaly
- GR — Gravity anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Open pit
- Rock quarry
- Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 386

(Map 2 of 2)

FALCONBRIDGE TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

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GEOLOGICAL AND MINING SYMBOLS

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- Mineralized float with reference letter

DRILLHOLE

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- Property with drillholes which have not been plotted on map, with reference number
- Reverse circulation drillhole; churn drilling, with reference number